```java
boolean checkout(Cart cart, Card card) {
    long t0 = System.nanoTime();
    if (paymentService.isValid(card)) { // branch guard
        ship(cart);
        metrics.markSuccess();
        return true;
    }
    metrics.markFailure();
    return false;
}
```

```java
boolean isValid(Card c) {          // in PaymentService.java
    return !c.isExpired() &&
            luhnCheck(c.number());
}
```

Generator

Generate
Unit Test

Need To
Refer

Unit
Tests